

Notice of Allowance dated October 19, 2006

Appl. No. 10/516,799

Amdt. 312 dated December 22, 2006

Attorney Docket No. 4375-045835

AMENDMENTS TO THE ABSTRACT

Please replace the Abstract of the Disclosure with the following rewritten Abstract. A clean copy of the substitute Abstract is attached hereto.

-- A radiation detector (~~Figure 1~~) made from ~~an~~ a compound, or alloy, comprising $\text{Cd}_x\text{Zn}_{1-x}\text{Te}$ ($0 \leq x \leq 1$), Pb in a concentration between 10 and 10,000 atomic parts per billion and at least one element selected from the group consisting of (i) ~~Cl and~~ Cl and (ii) elements in column III of the periodic table in a concentration between 10 and 10,000 atomic parts per billion. The radiation detector exhibits full electrical compensation, high-resistivity, full depletion under an applied electrical bias and excellent charge transport. --